## **IN THE CLAIMS:**

## Kindly replace the claims of record with the following full set of claims:

1. (Previously presented) A method of coding (2) a signal (S) comprising blocks of values to obtain a scalable bit-stream (O,BS), the method comprising the steps of:

representing (20) each block as a sequence of bit planes (BP), wherein most significant bits of the values form a most significant bit plane (BP $_{MSB}$ ) and respective less significant bits of the values form respective less significant bit planes; and

scanning and transmitting (21,23) significant coefficients values in an order of decreasing bit plane (BP) significance;

wherein for each bit plane the step of scanning and transmitting (21,23) is performed in a rectangular scan zone ( $R_{MAX}$ ,  $C_{MAX}$ ) starting from a corner of the block, wherein  $R_{MAX}$  represents a maximum row number and  $C_{MAX}$  represents a maximum column number determined as the outermost positions of newly significant coefficients within each bit plane and said  $R_{MAX}$  and  $R_{MAX}$  values are transmitted in said bit-stream.

- 2. (Previously presented) The method as claimed in claim 1, wherein the values are transform coefficients.
- 3. (Previously presented) The method as claimed in claim 1, wherein the coding (2) is performed on each block individually to obtain respective scalable bit-streams for respective individual blocks.
- 4. (Previously presented) The method as claimed in claim 1, wherein the step of scanning and transmitting (21,23) comprises: initially marking (22) all values insignificant; and performing the following steps for each bit-plane (BP<sub>MSB</sub>...BP<sub>LSB</sub>) until a stop criterion is met:
  - transmitting (22,23) a bit for each significant value (SC) in a current bit plane (BP);

- transmitting (21,23) an indication whether or not any insignificant values become newly significant in the current bit plane; and
- selecting and transmitting (21,23) an indication for each not previously significant value inside the scan zone whether the value has become newly significant (NSC) and a sign bit for each newly significant value (NSC) following said transmitted R<sub>MAX</sub> and C<sub>MAX</sub>.
- 5. (Previously presented) The method as claimed in claim 4, wherein parts of the bit-stream representing the newly significant values (NSC) are entropy coded.
- 6. (Previously presented) The method as claimed in claim 3, wherein a scalable bit-stream is obtained by cyclically and sequentially scanning selected parts (P1,P2,...) of the respective scalable bit-streams (DCT\_1...DCT\_N) of the respective individual blocks.
- 7. (Previously presented) A device (2) for coding (2) a signal (S) comprising blocks of values to obtain a scalable bit-stream (O,BS), the device comprising:

means for representing (20) each block as a sequence of bit planes (BP), wherein most significant bits of the values form a most significant bit plane (BP $_{MSB}$ ) and respective less significant bits of the values form respective less significant bit planes; and

means for scanning and transmitting (21,23) the values in an order of decreasing bit plane (BP) significance;

wherein for each bit plane the means for scanning and transmitting (21,23) have been arranged to perform the scanning and transmitting for each bit plane in a rectangular scan zone ( $R_{MAX}$ ,  $C_{MAX}$ ) starting from an upper left corner of the block wherein  $R_{MAX}$  represents a maximum row number and  $C_{MAX}$  represents a maximum column number and are determined as the outermost positions of newly significant coefficients within each bit plane and said  $R_{MAX}$  and  $R_{MAX}$  values are transmitted in said bit-stream.

- 8. (Previously presented) The device (93) as claimed in claim 7, further comprising: a truncator (95) for truncating the scalable bit-stream (O,BS) at a certain bit-rate.
- 9. (Previously presented) The device (54,76) as claimed in claim 7, further comprising: a memory (55,78) for storing a previous frame-wherein the scalable bit-stream (O,BS) is furnished to the memory (55,78).
- 10. (Previously presented) A camera system comprising: a camera (4); and

an encoder for coding (2) a signal (S) comprising blocks of values to obtain a scalable bit-stream (O,BS), the device comprising:

means for representing (20) each block as a sequence of bit planes (BP), wherein most significant bits of the values form a most significant bit plane (BP<sub>MSB</sub>) and respective less significant bits of the values form respective less significant bit planes; and

means for scanning and transmitting (21,23) the values in an order of decreasing bit plane (BP) significance;

wherein for each bit plane the means for scanning and transmitting (21,23) have been arranged to perform the scanning and transmitting for each bit plane in a rectangular scan zone ( $R_{MAX}$ ,  $C_{MAX}$ ) starting from an upper left corner of the block, wherein  $R_{MAX}$  represents a maximum row number and  $C_{MAX}$  represents a maximum column number determined as the outermost positions of newly significant coefficients within each bit plane and said  $R_{MAX}$  and  $R_{MAX}$  values are transmitted in said bit-stream.

11. (Previously presented) A method of decoding (11) comprising:

receiving (111) a scalable bit-stream (O,BS) comprising blocks of values, the values for each block being available in an order of decreasing bit plane significance and for each bit plane scanned in a rectangular scan zone ( $R_{MAX}$ ,  $C_{MAX}$ ) starting from an

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upper left corner of the block, wherein  $R_{MAX}$  represents a maximum row number and  $C_{MAX}$  represents a maximum column number determined as the outermost positions and received in the bit-stream;

regenerating (112) the blocks of values from the scalable bit-stream (O,BS); and

decoding (113-115) the blocks of values.

12. (Previously presented) A scalable decoder (11) comprising:

means for receiving (111) a scalable bit-stream (O,BS) comprising blocks of values, the values for each block being available in an order of decreasing bit plane significance and for each bit plane scanned in a rectangular scan zone ( $R_{MAX}$ ,  $C_{MAX}$ ) starting from an upper left corner of the block, wherein  $R_{MAX}$  represents a maximum row number and  $C_{MAX}$  represents a maximum column number determined as the outermost positions of newly significant coefficients within each bit plane and received in the bit-stream;

means for regenerating (112) the blocks of values from the scalable bitstream (O,BS); and

means for decoding (113-115) the blocks of values.

- 13. (Previously presented) The decoder as claimed in claim 12 further comprising: means for outputting (12) the decoded values.
- 14. (Previously presented) A method for scanning a scalable bit-stream (BS) comprising blocks of values, the values for each block being available in an order of decreasing bit plane significance, said method comprising the step of:

scanning each bit plane in a rectangular scan zone ( $R_{MAX}$ ,  $C_{MAX}$ ) starting from an upper left corner of a selected block, wherein  $R_{MAX}$  represents a maximum row number and  $C_{MAX}$  represents a maximum column number determined as the outermost positions of newly significant coefficients within each bit plane and said  $R_{MAX}$  and  $C_{MAX}$  values are transmitted in said bit-stream.

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15.(Previously presented) The method as recited in claim 14, wherein said bitstream (BS) is recorded on a storage medium (10).